User Guide

TXT Messaging Phone | CDM8905

OM8905VW

User Guide

Teléfono de Mensajería de Texto | CDM8905

Guía del Usuario

5U01035700O REV01

User Guide

CDM8905

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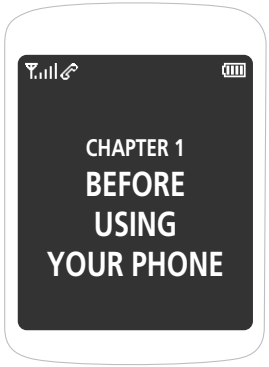


This chapter provides important information about using the CDM8905 including:

- INSIDE THE PACKAGE
- HANDSET DESCRIPTION
- DISPLAY INDICATORS
- BATTERY USAGE
- BATTERY HANDLING INFORMATION

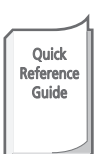
INSIDE THE PACKAGE

This package should include all items pictured below. If any are missing or different, immediately contact the retailer where you purchased the cellular telephone.

Handset

Standard Battery

User Guide



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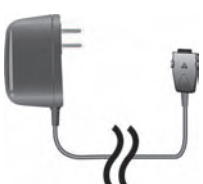
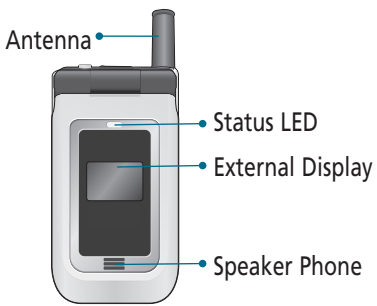


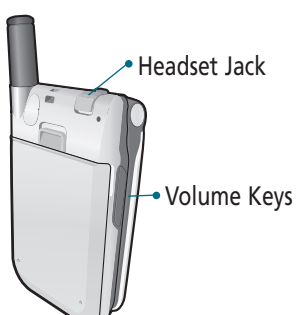
Travel Charger

- The actual phone may be different from the picture.

The CDM8905 weighs 3.31 ounces and measures 1.75" X 3.30" X 0.81".

PHONE VIEW





THE FUNCTION KEYS

Display Indicators: Shows signal and battery strength. See page 10 for a complete list of display indicators and what they mean.

Soft Key Indicators: Shows the functions currently assigned to each soft key.

Navigation Key: Use to scroll through menu options, or to select a function displayed on the screen.

Left Soft Key: Press to access the Messaging menu or the function displayed at the bottom left of the display.

Right Soft Key: Press to access contacts menu or function displayed at the bottom right of the display.

Side Volume Key: Press up or down to adjust volume.

OK Key: Select the function displayed at the bottom of the display between the Left and Right Soft Key indicators.

SEND Key: Press to make or receive a call. In idle mode, press to view the Recent Calls List.

END Key: Press to turn the phone on/off, to terminate a call or to return to the phone to idle mode.

CLR/Speakerphone Key: Press to clear a digit from the display or to return to the previous page. Press and hold in idle mode to activate speakerphone.

Vibrate Key: Press and hold to enter Vibrate mode.

DISPLAY INDICATORS

Signal Strength
Current signal strength: the more lines, the stronger the signal. (1X Mode/ Digital Mode)

Battery
Battery charging level – the more blocks, the stronger the charge.

Roaming
Phone is out of home area.

TTY
Indicates your phone is active in TTY mode.

No Service
Phone cannot receive a signal from the system.

Bell_Alarm Only
Appears when a ringer is set as a Bell_ Alarm Only mode.

All Sounds Off
Appears when a ringer is set as a All Sounds Off mode.

Vibrate Only
Phone will vibrate when call is received.

Text Message
New TEXT message.

Voice Mail
New Voice Mail.

Speakerphone
Phone is in speakerphone mode.

Alarm
Appears when an alarm is set.

Calendar Appointment
Event Alarm is active.

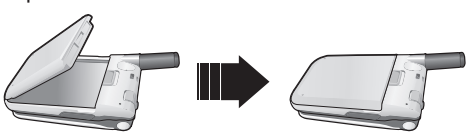
GPS Icon
Location Service of your phone is disabled / enabled.

Voice Privacy
Indicates “Voice Privacy” mode.

BATTERY INSTALLATION

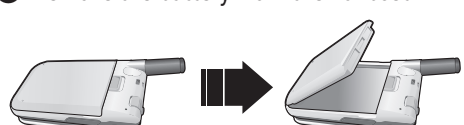
As shown in the picture below, place the metal locators of the battery into the holes located in the bottom of the unit.

1. Place the battery on the back of the handset and slide into place.
2. Push the battery down until it locks into place.



BATTERY REMOVAL

1. Pull up the release latch, lift up the battery.
2. Remove the battery from the handset.

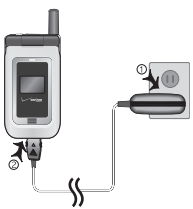


NOTE If the battery is not correctly placed in the compartment, the handset will not turn on and/or the battery may detach during use.

BATTERY CHARGING

POWER CONNECTION

1. Plug the Travel Charger into a standard outlet.
2. Plug the other end of the Travel Charger into the bottom of your phone. The battery must be installed onto the phone.



- When you charge the battery with the phone power off, you will see a charging status screen. You cannot operate the phone until it is powered on.
- The battery is not charged at the time of purchase.
- Fully charge the battery before use.
- It is more efficient to charge the battery with the handset powered off.
- The battery must be installed in the phone in order to charge it.
- Battery operating time gradually decreases over time.
- If the battery fails to perform normally, you may need to replace the battery.

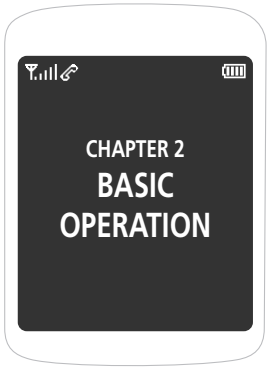
DO's

- Only use the battery for its original purpose.
- Try to keep batteries in a temperature between 41°F (5°C) and 95°F (35°C).
- If the battery is stored in temperatures above or below the recommended range, give it time to warm up or cool down before using.
- Store the discharged battery in a cool, dark and dry place.
- Purchase a new battery when the operating time of the current battery has decreased gradually over time.
- Properly dispose of the battery according to local laws.

DON'Ts

- Don't attempt to disassemble the battery – it is a sealed unit with no serviceable parts.
- Don't accidentally short circuit the battery by carrying it in your pocket or purse with other metallic objects such as coins, clips and pens. This may critically damage the battery.
- Don't leave the battery in extremely hot or cold temperatures. Otherwise, it could significantly reduce the capacity and lifetime of the battery.
- Don't dispose of the battery by placing into a fire.

MEMO



This chapter addresses and explains the basic features of your cellular telephone including:

- TURNING THE PHONE ON / OFF
- ACCESSING THE MENU
- MENU SUMMARY
- BASIC FUNCTIONS
- DURING A CALL
- MAKING AN EMERGENCY CALL

TURNING THE PHONE ON

1. Press END until the Wireless logo animation appears on your internal display and the wake up tone sounds.

TURNING THE PHONE OFF

1. Press and hold END.

NOTE
- Immediately change or recharge the battery when "Low Battery Warning Power Off" appears on the display. Memory may possibly be damaged if the phone turns off due to the battery completely draining.
- Turn the phone off before removing or replacing the battery. If the phone is on, unsaved data may be lost.

IDLE MODE

Throughout this manual "idle mode" will be referenced. Idle mode refers to the state your phone is in when you open it and are not making a call or using any other features.

Your phone can be customized via the menu. Each function can be accessed by scrolling with the Navigation Key right, left, up or down. Or by pressing the number that corresponds with the menu item.

1. To access the menu, press OK [MENU].
2. Press the Navigation Key right, left, up or down to scroll through the menu.
3. To return to the previous page, press CLR. To exit the current menu and return to idle mode, press END.
4. Press OK to enter a function when its main page is displayed or press its assigned number to have direct access to the function.

MAIN MENU	2ND DEPTH	3RD DEPTH	4TH DEPTH
1. Media Gallery	1. Sounds		
	2. Images		
2. Recent Calls	1. Missed		
	2. Received		
	3. Dialed		
	4. All		
	5. View Timers		
3. Phone Settings	1. Language		
	2. Set Shortcut Key	1. Left Key	
		2. Up Key	
		3. Right Key	
		4. Down Key	
		5. Reset All	
	3. Location		
	4. Security	1. Restore Settings	
		2. Erase All Contacts	
		3. Edit Code	
		4. Lock Mode	
	5. Network Options	1. Nam Select	
		2. System Select	
4. Settings	1. Display	1. Banner	1. Personal
			2. ERI Banner
		2. Backlight	1. Display
			2. Keypad
		3. Wallpaper	
		4. Color Themes	
		5. Number On Startup	
		6. Contrast	1. Main LCD
			2. Sub LCD

MAIN MENU	2ND DEPTH	3RD DEPTH	4TH DEPTH
	2. Calls	1. In-Call Sounds	1. Minute Beep
			2. Call Connect
			3. Call Disconnect
		2. Answer Options	
		3. Dial Fonts	
		4. Auto Retry	
		5. TTY Mode	
	3. Sounds	1. Call Ringtone	
		2. Call Vibrate	
		3. Alert Sounds	1. TXT Message
			2. Voicemail Msg
		4. Keypad Volume	
		5. Power On/Off	1. Power On
			2. Power Off
		6. Roaming Indicator	
5. Contacts	1. New Contact		
	2. Contact List		
	3. Groups		
	4. Speed Dials		
6. Tools	1. Calculator		
	2. Calendar		
	3. Alarm Clock		
7. Phone Info	1. My Number		
	2. SW Version		
	3. Icon Glossary		

MAIN MENU	2ND DEPTH	3RD DEPTH	4TH DEPTH
8. Messaging	1. New TXT Msg		
	2. Inbox		
	3. Sent		
	4. Drafts		
	5. Voicemail		
	(Left Soft Key) Settings	1. Auto Save 2. Auto Erase 3. Quick Text 4. Voicemail 5. Entry Mode 6. Callback # 7. Signature 8. Auto View	
	(Right Soft Key) Options	1. Erase Inbox 2. Erase Sent 3. Erase Drafts 4. Erase All	
9. Emergency Contacts	1. Emergency Contact 1		
	2. Emergency Contact 2		
	3. Emergency Contact 3		

MAKING A CALL

❶ Enter a phone number.

NOTE **To modify the phone number you have entered:**

- Erase one digit at a time by pressing CLR .
- Erase the entire number by pressing and holding CLR .

❷ Press SEND .

NOTE

- If "CALL FAILED" appears on the display or the line is busy, press END or SEND .
- If you activate the "AUTO RETRY" function, the phone will automatically re-dial the phone number for the number of times you have selected. (refer to page 62).
- When you place or receive a call from phone numbers stored in your contact list with a contact name, the name will be displayed.

❸ To end a call, press END .

ANSWERING A CALL

1. When your phone rings or vibrates, press SEND to answer the incoming call. (Depending on your phone's settings, you may also answer incoming calls by opening the phone or by pressing any key.)

NOTE To ignore incoming calls and silence the ringer, press Right Soft Key [Ignore].

2. To end the call, press END.

SPEAKERPHONE

The speakerphone feature lets you hear audio through the speaker and talk without holding the phone.

1. To activate the speakerphone in idle mode or while on a call, press and hold CLR.

2. The phone returns to normal (Speakerphone Off) after ending a call or when the phone is turned off and back on.

3-WAY CALLING

With 3-Way Calling, you can talk to two people at the same time. When using this feature, normal airtime rates will apply to both of the calls.

1. Enter the phone number you wish to call and press SEND.

2. Once you have established the connection, enter the second number you wish to call and press SEND.

3. When you're connected to the second party, press SEND again to begin your 3-Way call.

NOTE If one of the people you called hangs up during your call, you and the remaining caller stay connected. If you initiated the call and are the first to hang up, all three callers are disconnected.

CALL WAITING

Notifies you of an incoming call when you are already on a call by sounding a beep tone and displaying the caller's phone number.

To answer another call while on the phone, press SEND.
This places the first call on hold. To switch back to the first caller, press SEND again.

VOLUME ADJUSTMENT

To adjust the volume:

1. When your phone is not in any menu or performing any functions, press the side volume key up or down.

2. Select one of the following options, then press OK [OK] to save it.

   - **All Sounds Off**
   - **Alarm Only**
   - **Vibrate Only**
   - **Low / Med Low / Med / Med High / High**

NOTE Press the Side Volume Key up or down to adjust Earpiece volume during a call.

WAIT/2-SEC PAUSE

Pauses are used for automated systems (i.e., Voicemail, calling cards). Insert a pause after a phone number then enter another group of numbers. The second set of numbers is dialed automatically after the pause. This feature is useful for dialing into systems that require a code.

1. To insert a pause, enter a phone number then press Right Soft Key [OPTIONS]. Select either a 2-Sec Pause ("P" appears) or a Wait ("W" appears).

2. Press SEND to dial or Left Soft Key [SAVE] to store.

NOTE Please refer to page 32 for more details about storing a phone number.

CALLER ID

Identifies callers by displaying their phone number. If the caller's name and number are already stored in your phone book, the name will be displayed.

NOTE The caller ID information is stored in Recent Calls.

■ MUTE (UNMUTE)

The caller cannot hear you or any sounds from your side but you can still hear them.

Press Left Soft Key [MUTE].

- To deactivate, press Left Soft Key [UNMUTE].
- The phone will automatically unmute in Emergency Call or Callback mode.

■ AVAILABLE OPTIONS DURING A CALL

To display menu options during a call, press Right Soft Key [OPTIONS].

NEW TXT MSG

Enables you to send a message while on a call.
Press Right Soft Key [OPTIONS], 1 **New TXT Msg**.

CONTACTS

Enables you to review your contacts list while on a call.
Press Right Soft Key [OPTIONS], 2 abc **Contacts**.

RECENT CALLS

Enables you to review the all calls list while on a call.
Press Right Soft Key [OPTIONS], 3 def **Recent Calls**.

VOICE PRIVACY

Increases security during a call.
Press Right Soft Key [OPTIONS], 4 ghi **Voice Privacy**.

LOCATION

Enables the network to locate your current location using Global Positioning System (GPS). (Refer to page 50 for more details.)
Press Right Soft Key [OPTIONS], 5 jkl **Location**.

This 911 feature puts the phone in the Emergency Call Mode when you dial the preprogrammed emergency number, 911.

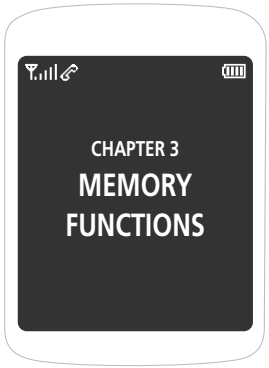
■ 911 USING ANY AVAILABLE SYSTEM

The 911 call service is available even in the lock mode.

1. Enter "911" and press SEND.
2. The call connects.
3. The phone maintains the Emergency Mode for 5 minutes.

- While the phone is in the emergency mode for 5 minutes, the phone can receive an incoming call from any available system. However it can only make calls to the emergency number.

NOTE The 911 call is not recorded in the recent call list.



This chapter addresses memory functions including:

STORING A PHONE NUMBER

ENTERING LETTERS, NUMBERS & SYMBOLS

The phone book stores up to 500 entries.

1. Enter the phone number, press Left Soft Key [SAVE] then choose "Create New" or "Update Existing". Press [OK] [OK] to select.

2. If "Create New" is selected, the phone number will appear above a list. Press the Navigation Key up or down to choose the type of number you're adding, as indicated by the icon. Press [OK] [OK] to select.

3. If "Update Existing" is selected, your contact list is displayed. Choose the entry to add the phone number to, then press [OK] [OK]. Press the Navigation Key up or down to choose the type of number you're adding, as indicated by the icon. Press [OK] [OK] to select.

4. Enter a name. Please refer to page 34 for more details on entering letters, numbers & symbols. To change the input mode, press Left Soft Key [Abc].

5. Press the Navigation Key down to select other options (Mobile1.2, Email1.2, etc...).

6. If you entered a phone number, press Right Soft Key [OPTIONS] to select one of the following options:

   - Set Speed Dial
   - Save As Default
   - Add Pause

7. To store the entry, press [OK] [SAVE]. "CONTACT SAVED" will be displayed.

The input mode (Alpha editor) will automatically be activated when necessary to enter letters and numbers. As shown below, there are 5 available modes : Standard input mode (Abc) and standard all capitals (ABC), T9Word input mode (Word), Numeric mode (123), and symbol mode (Symbols).

The input mode indicator appears on the upper right of the display when letters and numbers are entered. To select the desired input mode among the 5 modes below, press Left Soft Key [Abc], then enter letters and numbers.

The following illustrates the function assigned to each key in the Alpha Editor.

KEY	FUNCTION
	Abc - Press to change mode. [Word][Abc][ABC][123][Symbols]
0	**Next** - Press to view the next matching word if the highlighted word is not the word you intended in Word input mode.
#	**Space** - Press to accept a word and add a space.
*	**Caps Lock** - Press to select a letter case of the standard text input or T9 text input mode. [Abc], [ABC] and [abc] indicate the standard text input. [Word], [WORD] and [word] indicate the predictive text input. Press and hold to change mode.
CLR	**Clear** - Press to delete a character to the left of the cursor.
OK	**OK** - Confirm the letters and numbers you entered or send the message [SEND].

STANDARD INPUT MODE

Use the number keys to enter letters, numbers and characters.

1. Enter letters using the key pad as follows:

Key Pad	Press 1 Time	Press 2 times	Press 3 times	Press 4 times	Press 5 times
2 abc	A	B	C	2	A
3 def	D	E	F	3	D
4 ghi	G	H	I	4	G
5 jkl	J	K	L	5	J
6 mno	M	N	O	6	M
7 pqrs	P	Q	R	S	7
8 tuv	T	U	V	8	T
9 wxyz	W	X	Y	Z	9

Press 1 to select the symbol you want to enter by pressing the Navigation Key right, left, up or down. Or press the corresponding numeric keys. To change the input mode, press Left Soft Key [Abc].

2. To enter a space, press #. The cursor will automatically move to the next space.

3. Repeat until letters are entered.

4. To delete one digit, press CLR. If you press and hold CLR, it will delete the entire entry, and entire numbers.

5. To change from lowercase to uppercase, press *.

WORD INPUT MODE

The Word input mode incorporates a built-in-dictionary to determine a word based on the entered characters. A Word can be entered more quickly by pressing a key once per character.

1. Create a new TXT Message. See instructions on page 86.

2. In the text field, select the **Word** mode by pressing Left Soft key [Abc], and then press OK to select "**Word**."

3. Press a digit key once to enter the character you want, then enter all the characters to input the word you want.

4. To view the next matching word, press 0 .

5. To accept the matching word and enter a space, press # .

NOTE **To enter a compound word:**

- Enter the first part of the word then press Navigation Key right to accept it.
- Enter the last part of the word then press # to enter the word.
- To enter "Fun fare" in the Word input mode.
  - After you enter the 1st letter, press Left Soft Key [Abc] select "Word" then press * to choose the lower case (Word).
  - Press 3 def , 8 tuv , 6 mno and you will see "Fun" highlighted. Press # to select it.
  - Press 3 def , 2 abc , 7 pqrs , 3 def until you see "ease" highlighted. Press 0 to select the next matching word, you will see "fare" then press # .

NUMERIC MODE

Allows you to enter numbers.

1. Select the Numeric mode by pressing Left Soft Key [Abc], select "123", then press OK [OK].

2. To enter a number, press a digit key.

SYMBOL MODE

Allows you to enter symbols.

1. Select the Symbol mode by pressing Left Soft Key [Abc], select "Symbols", then press OK [OK].

2. Select the symbol you want to enter with the Navigation Key right, left, up or down. Or press the corresponding numeric keys.

MEMO

This chapter addresses accessing the menu and using its functions and features to customize your phone.

MEDIA GALLERY
RECENT CALLS
PHONE SETTINGS
SETTINGS
CONTACTS
TOOLS
PHONE INFO
MESSAGING
EMERGENCY CONTACTS

■ MEDIA GALLERY

SOUNDS
This menu shows the list of ringtones.

1. Press OK [MENU], 1 @ **Media Gallery**, 1 @ **Sounds**.

2. To play sounds, select the sound you want to play by scrolling with the Navigation Key up or down, then press OK [PLAY]. To assign it, press Left Soft Key [SET].

IMAGES
This menu shows the list of images.

1. Press OK [MENU], 1 @ **Media Gallery**, 2 abc **Images**.

2. To display full screen images, scroll through the list with the Navigation Key left, right, up or down and press OK [VIEW]. To assign it, press Left Soft Key [SET].

■ MISSED
Displays information about the 90 most recently missed calls. Place a call to a missed call number by simply pressing SEND.

1. To see a list of the 90 most recently missed calls, press OK [MENU], 2 abc **Recent Calls**, 1 @ **Missed**. If the number is already stored in your phone book, only the name appears. If the number is not stored, only the phone number appears.

2. To view missed call details, press OK [OPEN].

NOTE Call details include date, time and phone number.

3. Press Left Soft Key [MESSAGE] to send a TXT message. Press Right Soft Key [OPTIONS] to see the options below:

- **Save:** To store the phone number in your phone book.
- **Erase:** To erase a missed calls listing.
- **Lock/Unlock:** To lock or unlock a missed calls listing.
- **Erase All:** To erase all missed calls listings.
- **View Timers:** To display usage time.

NOTE After 90 missed calls, the oldest call will automatically be erased from the history.

■ RECEIVED

Displays information about the 90 most recently answered calls. Place a call to a received call by simply pressing SEND.

1. To see a list of the 90 most recently answered calls, press OK [MENU], 2 abc **Recent Calls**, 2 abc **Received**. If the number is already stored in your phone book, only the name appears. If the number is not stored, only the phone number appears.

2. To view received call details, press OK [OPEN].

NOTE Call details include date, time and phone number.

3. Press Left Soft Key [MESSAGE] to send a TXT message. Press Right Soft Key [OPTIONS] to see the options below:

- **Save:** To store the phone number in your phone book.
- **Erase:** To erase a received calls listing.
- **Lock/Unlock:** To lock or unlock a received calls listing.
- **Erase All:** To erase all received calls listings.
- **View Timers:** To display usage time.

NOTE After 90 received calls, the oldest call will automatically be erased from the history.

■ DIALED

Displays information about the 90 most recently dialed numbers. Place a call to a dialed call by simply pressing SEND.

1. To see a list of the 90 most recently dialed numbers, press OK [MENU], 2 abc **Recent Calls**, 3 def **Dialed**. If the number is already stored in your phone book, only the name appears. If the number is not stored, only the phone number appears.

2. To view dialed call details, press OK [OPEN].

NOTE Call details include type of call, date, time and phone number.

❸ Press Left Soft Key [MESSAGE] to send a TXT message. Press Right Soft Key [OPTIONS] to see the options below:

- **Save:** To store the phone number in your phone book.
- **Erase:** To erase a dialed calls listing.
- **Lock/Unlock:** To lock or unlock a dialed calls listing.
- **Erase All:** To erase all dialed calls listings.
- **View Timers:** To display usage time.

NOTE After 90 dialed calls, the oldest call will automatically be erased from the history.

■ ALL

Displays information about the most recently received, dialed and missed calls.

❶ To see a list of the 270 most recently received, dialed and missed calls, press OK [MENU], 2 abc **Recent Calls**, 4 ghi **All**. If the number is already stored in your phone book, only the name appears. If the number is not stored, only the phone number appears.

❷ To view details, press OK [OPEN].

NOTE Call details include type of call, date, time and phone number.

❸ Press Left Soft Key [MESSAGE] to send a TXT message. Press Right Soft Key [OPTIONS] to see the options below:

- **Save:** To store the phone number in your phone book.
- **Erase:** To erase a recent calls listing.
- **Lock/Unlock:** To lock or unlock a recent calls listing.
- **Erase All:** To erase all recent calls listings.
- **View Timers:** To display usage time.

NOTE After 270 received, dialed or missed calls, the oldest call will automatically be erased from the history when a new call is added.

■ VIEW TIMERS

Tracks the usage time to help you manage your calls within the limit you set. The 4 timers include (Last Call, All Calls, Received Calls, Dialed Calls):

1. Press OK [MENU], 2 abc **Recent Calls**, 5 jkl **View Timers**.
2. Select "Last Call", "All Calls", "Received Calls", "Dialed Calls" by pressing the Navigation Key up or down.
   To reset the timer, press Left Soft Key [Reset], select "Yes", then press OK [OK].
   To reset all timers, press Right Soft Key [Reset ALL], select "Yes", then press OK [OK].
3. To return to the previous page, press CLR .

Allows you to customize the phone settings.

■ LANGUAGE

Selects the language in which letters are displayed on the screen.

1. Press OK [MENU], 3 def **Phone Settings**, 1 @ **Language**.
2. Select one of the following options with the Navigation Key up or down.
   - **English / Español**
3. Press OK [OK] to save it.

■ SET SHORTCUT KEY

Your phone offers you the option of assigning a shortcut key (Up, Down, Left, Right Navigation Key) to a favorite or often-used function.
To assign a shortcut to the key:

1. Press OK [MENU], 3 def **Phone Settings**, 2 abc **Set Shortcut Key**.
2. Select 1 @ "Left Key", 2 abc "Up Key", 3 def "Right Key" or 4 ghi "Down Key".

3. Select one of the following options with the Navigation Key up or down, press OK [OK] to save it.
   - **Images / Sounds / Inbox / Settings / Alarm Clock / Calculator / Calendar**
4. To reset all existing set shortcut keys, press 5 jkl "Reset All", then select "Yes", press OK [OK].

LOCATION

To determine whether or not the network system can detect your position:

1. Press OK [MENU], 3 def **Phone Settings**, 3 def **Location**.
2. Select one of the following options with the Navigation Key up or down.
   - **Location On:** Your location is now available to the network.
   - **E911 Only:** Your location will be hidden from network & application except 911.
3. Press OK [OK] to save it.

SECURITY

Prevents unauthorized use of your phone. The following settings can be restricted:

RESTORE SETTINGS

Resets phone to default settings.

1. Press OK [MENU], 3 def **Phone Settings**, 4 ghi **Security**. Enter your "Lock code," then press OK [OK]. (The default lock code is the last 4 digits of your phone number.) Press 1 @ **Restore Settings**.
2. "Reset all Settings to default?" will appear. Select "Yes" then press OK [OK].
3. Your phone will reset all settings to the factory defaults.

ERASE ALL CONTACTS

Clears all Phone Book Entries.

1. Press OK [MENU], 3 def **Phone Settings**, 4 ghi **Security**. Enter your lock code then press OK [OK]. (The default lock code is the last 4 digits of your phone number.) Press 2 abc **Erase All Contacts**.

2. "Erase All Contacts?" will appear. Select "Yes" then press OK [OK].

3. Your phone will erase all contact entries.

Since the data cannot be retrieved once it is erased, a warning will appear on the display before erasing everything.

EDIT CODE

Changes your phone's 4-digit lock code.

NOTE The default 4-digit lock code is the last 4-digits of your mobile telephone number.

1. Press OK [MENU], 3 def **Phone Settings**, 4 ghi **Security**. Enter your lock code then press OK [OK]. Press 3 def **Edit Code**.

2. Enter a new code using the keypad of your phone, then press Navigation Key down.

3. Enter a "Confirm Code" then press OK [OK] to save it.

LOCK MODE

Prevents the phone from being used without entering the lock code first.

1. Press OK [MENU], 3 def **Phone Settings**, 4 ghi **Security**. Enter your lock code then press OK [OK]. (The default lock code is the last 4 digits of your phone number.) Press 4 ghi **Lock Mode**.

2. Select one of the following options with the Navigation Key up or down.

- **Lock:** Lock the phone now.
- **Unlock:** Do not lock the phone.
- **On Power Up:** Do not lock the phone now, but automatically lock phone when power is recycled.

3. Press OK [OK] to save it.

NETWORK OPTIONS

NAM SELECT
Changes the NAM used by the phone when you have multiple registrations.

1. Press OK [MENU], 3 def **Phone Settings**, 5 jkl **Network Options**, 1 **Nam Select**.
2. Select one of the following options with the Navigation Key up or down.
   - **Nam1** **Nam2**
3. Press OK [OK] to save it.

SYSTEM SELECT
Selects the Preferred System.

1. Press OK [MENU], 3 def **Phone Settings**, 5 jkl **Network Options**, 2 abc **System Select**.
2. Select one of the following options with the Navigation Key up or down.
   - **Automatic B / Automatic A / Home Only**
3. Press OK [OK] to save it.

DISPLAY
Allows you to customize the displays.

BANNER
You can choose to display a personal Banner greeting or the Enhanced Roaming Indicator (ERI) banner on the phone's screens:

PERSONAL
The text greeting can be up to 16 characters and is displayed on your phone's screen in standby mode.

1. Press OK [MENU], 4 ghi **Settings**, 1 **Display**, 1 **Banner**, 1 **Personal**.
2. Enter a new personal greeting.
   To change the entry mode, press Left Soft Key [Abc].
3. Press OK [OK] to save it.

ERI BANNER
1. Press OK [MENU], 4 ghi **Settings**, 1 **Display**, 1 **Banner**, 2 abc **ERI Banner**.
2. Select "On" or "Off" with the Navigation Key up or down.
3. Press OK [OK] to save it.

BACKLIGHT

Backlights the display and key pad and activates dimming for easy viewing in dark places.

DISPLAY

1. Press OK [MENU], 4 ghi **Settings**, 1 @ **Display**, 2 abc **Backlight**, 1 @ **Display**.
2. Select one of the following options by pressing the Navigation Key up or down.
   - **7 Seconds / 15 Seconds / 30 Seconds / Always On / Always Off**
3. Press OK [OK] to save it.

KEYPAD

1. Press OK [MENU], 4 ghi **Settings**, 1 @ **Display**, 2 abc **Backlight**, 2 abc **Keypad**.
2. Select one of the following options by pressing the Navigation Key up or down.
   - **7 Seconds / 15 Seconds / 30 Seconds / Always On / Always Off**
3. Press OK [OK] to save it.

WALLPAPER

To set your phone to display wallpaper when the phone is in standby mode:

1. Press OK [MENU], 4 ghi **Settings**, 1 @ **Display**, 3 def **Wallpaper**.
2. Highlight the image you want to view then press Left Soft Key [VIEW]. Select the wallpaper you want to use then press OK [OK].

COLOR THEMES

To select main display color:

1. Press OK [MENU], 4 ghi **Settings**, 1 @ **Display**, 4 ghi **Color Themes**.
2. Select one of the following options by pressing the Navigation Key up or down.
   - **Default / Tropical / Business / Blue**
3. Press OK [OK] to save it.

NUMBER ON STARTUP

To program your phone to display your phone number when your phone turns on:

1. Press OK [MENU], 4 ghi **Settings**, 1 @ **Display**, 5 jkl **Number On Startup**.
2. Select "On" or "Off" by pressing the Navigation Key up or down.
3. Press OK [OK] to save it.

CONTRAST

To adjust the display contrast:

1. Press OK [MENU], 4 ghi **Settings**, 1 @ **Display**, 6 mno **Contrast**.
2. Select "Main LCD" or "Sub LCD" by pressing the Navigation Key up or down.
3. Select one of the following options by pressing the Navigation Key up or down.
   - **Darkest, Dark, Medium, Light, Lightest**

4. Press OK [OK] to save it.

CALLS

Allows you to customize the call settings.

IN-CALL SOUNDS

You can set your phone to alert you with an audible tone once a minute or when a call connects or disconnects.

MINUTE BEEP

To set a minute reminder that beeps ten seconds before the end of each minute during a call:

1. Press OK [MENU], 4 ghi **Settings**, 2 abc **Calls**, 1 @ **In-Call Sounds**, 1 @ **Minute Beep**.
2. Select "On" or "Off" by pressing the Navigation Key up or down.
3. Press OK [OK] to save it.

CALL CONNECT

Notifies you that a call has been successfully placed.

1. Press OK [MENU], 4 ghi **Settings**, 2 abc **Calls**, 1 **In-Call Sounds**, 2 abc **Call Connect**.
2. Select "On" or "Off" by pressing the Navigation Key up or down.
3. Press OK [OK] to save it.

CALL DISCONNECT

Notifies you that a call has been unsuccessfully placed.

1. Press OK [MENU], 4 ghi **Settings**, 2 abc **Calls**, 1 **In-Call Sounds**, 3 def **Call Disconnect**.
2. Select "On" or "Off" by pressing the Navigation Key up or down.
3. Press OK [OK] to save it.

ANSWER OPTIONS

To specify how you want to answer calls:

1. Press OK [MENU], 4 ghi **Settings**, 2 abc **Calls**, 2 abc **Answer Options**.
2. Select one of the following options by pressing the Navigation Key up or down.
   - **Send Only / Flip Open / Any Key / Auto Answer**
3. Press OK [OK] to save it.

DIAL FONTS

To select the size of the dial font to appear in display:

1. Press OK [MENU], 4 ghi **Settings**, 2 abc **Calls**, 3 def **Dial Fonts**.
2. Select "Normal" or "Large".
3. Press OK [OK] to save it.

AUTO RETRY

To set your phone to automatically redial a call up to 5 times in a set time interval:

1. Press OK [MENU], 4 ghi **Settings**, 2 abc **Calls**, 4 ghi **Auto Retry**.
2. Retry time field is shown. Press the Navigation Key right or left to choose the amount of time.
   - **Off / 3 SECS / 5 SECS / 7 SECS / 10 SECS**
3. When a time is chosen for retry time, the repeat field is shown. Press the Navigation Key down to highlight the repeat field. Press the Navigation Key right or left to choose the number of repeats.
   - **1 Time / 3 Times / 5 Times**
4. Press OK [OK] to save it.

TTY MODE

Your phone is able to operate with a TTY (Teletypewriter) device in both analog and digital modes. This feature is system dependent and may not be available in all areas.

1. Press OK [MENU], 4 ghi **Settings**, 2 abc **Calls**, 5 jkl **TTY Mode**.
2. Select one of the following options by pressing the Navigation Key up or down.
   - **TTY Full / TTY Talk / TTY Hear / TTY Off**
3. Press OK [OK] to save it.

SOUNDS

Allows you to customize the sound settings.

CALL RINGTONE

To select a ringer type for incoming calls:

1. Press OK [MENU], 4 ghi **Settings**, 3 def **Sounds**, 1 **Call Ringtone**.
2. Select your desired ringer type. To play ringtone, select the ringtone you want to play, then press Left Soft Key [PLAY].
3. Select your ringtone, then press OK [OK].

CALL VIBRATE

Your phone has a built-in vibrating alert so you can receive calls or messages silently.

1. Press OK [MENU], 4 ghi **Settings**, 3 def **Sounds**, 2 abc **Call Vibrate**.
2. Select "On" or "Off" by pressing the Navigation Key up or down.
3. Press OK [OK] to save it.

ALERT SOUNDS

To select the type of sound you will hear when you receive an incoming TXT message or voicemail message:

TXT MESSAGE

To select a ringer type for incoming TXT Message:

1. Press OK [MENU], 4 ghi **Settings**, 3 def **Sounds**, 3 def **Alert Sounds**, 1 **TXT Message**.
2. Select "Tone" or "Vibrate" by pressing the Navigation Key up or down, and then select one of the following options by pressing the Navigation Key up or down.
   - **Tone:** Select your desired ringer type. To play ringtone, select the ringtone you want to play, then press Left Soft Key [PLAY].
   - **Vibrate:** Select "On" or "Off" by pressing the Navigation Key up or down.
3. Press OK [OK] to save it.

VOICEMAIL MSG

To select a ringer type for incoming Voicemail Message:

1. Press OK [MENU], 4 ghi **Settings**, 3 def **Sounds**, 3 def **Alert Sounds**, 2 abc **Voicemail Msg**.
2. Select "Tone" or "Vibrate" by pressing the Navigation Key up or down, and then select one of the following options by pressing the Navigation Key up or down.
   - **Tone:** Select your desired ringer type. To play ringtone, select the ringtone you want to play, then press Left Soft Key [PLAY].
   - **Vibrate:** Select "On" or "Off" by pressing the Navigation Key up or down.
3. Press OK [OK] to save it.

KEYPAD VOLUME

To select a keypad tone you will hear when you press a key:

1. Press OK [MENU], 4 ghi **Settings**, 3 def **Sounds**, 4 ghi **Keypad Volume**.
2. Select one of the following options by pressing the Navigation Key up or down.
   - **High / Med High / Med / Med Low / Low /Off**
3. Press OK [OK] to save it.

POWER ON/OFF

To set a power on/power off tone:

POWER ON

To activate/deactivate the power on tones:

1. Press OK [MENU], 4 ghi **Settings**, 3 def **Sounds**, 5 jkl **Power On/Off**, 1 @ **Power On**.
2. Select "On" or "Off."
3. Press OK [OK] to save it.

POWER OFF

To activate/deactivate the power off tones:

1. Press OK [MENU], 4 ghi **Settings**, 3 def **Sounds**, 5 jkl **Power On/Off**, 2 abc **Power Off**.
2. Select "On" or "Off."
3. Press OK [OK] to save it.

1. Press OK [MENU], 4 ghi **Settings**, 3 def **Sounds**, 6 mno **Roaming Indicator**.
2. Select "On" or "Off."
3. Press OK [OK] to save it.

Menu>Settings>Display>Banner>ERI Banner must be set to "On" for proper operation. Please refer to page 55 for more details on "ERI Banner".

Stores up to 500 entries, each of which can be assigned to a group. Entries can be retrieved by name or group.

NEW CONTACT

Adds a new contact entry.

1. To add a new entry to the phone book, press OK [MENU], 5 jkl **Contacts**, 1 **New Contact**.

2. To enter a name or number, press the Navigation Key down to select the contact fields.

   - **Contact Fields:** Name / Mobile1 / Home / Work / E-mail1 / Group / Ringtone / Mobile2 / Fax / E-mail2.

NOTE Please refer to page 34 for more details on entering letters, numbers & symbols.

3. To save the entry, press OK [SAVE]. To return to the previous page, press CLR .

NOTE If only a phone number is entered and the name field is left blank, the contact will still be saved and the Contact List will display the phone number.

CONTACT LIST

Retrieves an entry by name and number, and calls the number by simply pressing SEND . You can review all the entries stored in your phone book list or find an entry quickly by entering all or part of a name.

1. Press OK [MENU], 5 jkl **Contacts**, 2 abc **Contact List**. Or in idle mode, Right Soft Key [CONTACTS].

2. The list of names in your phone book is displayed alphabetically.

3. Enter a name or part of a name or scroll through the list by pressing the Navigation Key up or down. Please refer to page 34 for more details on entering letters, numbers & symbols.

4. All matching entries will be displayed. Highlight an entry. Press OK [VIEW] to view the entry. Press Left Soft Key [EDIT] to edit the entry. Press Right Soft Key [OPTIONS] for 1. New Contact, 2. Erase, 3. Send TXT Msg, 4. Call, 5. Erase All

5. To call the selected number, press SEND or press Right Soft Key [OPTIONS] and select "4. Call".

GROUPS

Allows you to classify phone entries into as many as 30 groups. Existing group names include Family and Work and can't be renamed or erased, however the user can create up to 28 additional group names which can be changed or deleted. The user can add up to 10 phone numbers per group.

ADD NEW GROUP

1. To add a new group, press OK [MENU], 5 jkl **Contacts**, 3 def **Groups**. A maximum of 30 groups is allowed.
2. Press Left Soft Key [NEW].
3. Input a new group name.
4. Press OK [SAVE] to save it.

ASSIGN PHONE NUMBER TO GROUP

1. Press OK [MENU], 5 jkl **Contacts**, 3 def **Groups**. Select an existing group name by pressing the Navigation Key up or down, press OK [VIEW].
2. Press OK [ADD].
3. Your phone book entries will be displayed in alphabetical order. Select the contact then press OK [MARK] or press Right Soft Key [MARK ALL].
4. Press Left Soft Key [DONE]. "Contact Added to Group" will be displayed. Repeat for each location for the Group.

CHANGE GROUP NAME

1. Press OK [MENU], 5 jkl **Contacts**, 3 def **Groups**. Select an existing group name that you have added with the Navigation Key up or down.
2. Press Right Soft Key [OPTIONS] to select 2 abc [RENAME].

3. Input a new group name.

4. Press OK [SAVE] to save it.

NOTE The default group names (Family, Work) cannot be changed.

ERASE GROUP

1. Press OK [MENU], 5 jkl **Contacts**, 3 def **Groups**. Press the Navigation Key up or down to select, then delete the group.

2. Press Right Soft Key [OPTIONS] to select "Erase Group".

3. "Erase Group?" will be displayed, select "Yes" by pressing OK [OK] to erase it.

NOTE The default group names (Family, Work) cannot be erased.

SEND MSG TO A GROUP

1. Press OK [MENU], 5 jkl **Contacts**, 3 def **Groups**. Select an existing group name by pressing the Navigation Key up or down.

2. Press Right Soft Key [OPTIONS] to select "Send TXT Msg". Enter your message.

3. To send the text message, press OK [SEND]. To save the text message, press Right Soft Key [OPTIONS], then select " 1 @ Save as Draft." To add "Quick Text," press Right Soft Key [OPTIONS], select " 2 abc Quick Text," select the text by pressing the Navigation Key up or down, then press OK [OK]. To set priority level, press Right Soft Key [OPTIONS], select " 3 def Priority", then select "High" or "Normal", then press OK [OK]. To cancel a message, press Right Soft Key [OPTIONS], select " 4 ghi Cancel Msg," select "Yes," then press OK [OK]. The message is saved in the drafts box.

NOTE Please refer to page 86 for more details on "New TXT Msg".

SPEED DIALS

In idle mode, calls can be placed to numbers stored in speed dial by pressing & holding the location number on the key pad. For a 2-digit location number, press the first number, then press and hold the second number.

NOTE If no phone number is stored in the location entered, "UNASSIGNED LOCATION" will appear on the screen.

1. Press OK [MENU], 5 jkl **Contacts**, 4 ghi **Speed Dials**.
2. To assign a phone number to a speed dial location, press the Navigation Key up and down, then press OK [SET].
   - If a phone number is already assigned to the location, to view details, press Left Soft Key [VIEW] or press Right Soft Key [Remove]. "Remove speed dial?" will be displayed. Select "Yes" to remove it.
   - "Unassigned" appears if the location is available.
3. Select the contact or phone number by pressing the Navigation Key up or down, and press OK [OK].
4. "SPEED DIAL SET" will be displayed.

ONE-TOUCH DIALING:

1-9: Press and hold the corresponding memory number for more than 1 second.

TWO-TOUCH DIALING:

10-99: Press the first digit and second digits of the memory number short and long respectively.

CALCULATOR

To access the calculator:

1. Press OK [MENU], 6 mno **Tools**, 1 @ **Calculator**.
2. Follow the instructions below to calculate 8×6÷4−2.5=9.5
   - Input 8.
   - Press the Navigation Key rightward (*).
   - Input 6.
   - Press the Navigation Key leftward (/).
   - Input 4.
   - Press the Navigation Key downward (-).
   - Input 2 and press * ⇧+ the to input (.).
   - Press 5, OK .
   - Answer appears on the right side of the grey box below calculation.
3. To reset, press Left Soft Key [CLEAR].

NOTE
- To change the displayed number from positive (+) to negative (-) and vice versa, press # [±].
- Press Right Soft Key [OPERATOR] to use parenthesis and “Exponent”.

CALENDAR

Sets an event and reminds you of that event.

ADD NEW APPOINTMENT

1. Press OK [MENU], 6 mno **Tools**, 2 abc **Calendar**.
2. Move the Navigation Key left, right, up or down to choose a date in the calendar, and then press OK [NEW].
3. Use the keypad to enter the name of the event, then press OK .
4. Use the keypad to set a time for the alarm, then press the Navigation Key up or down to select "AM" or "PM". Then press the Navigation Key right to advance to the RingTone field.
5. Press the Navigation Key right or left to scroll through the selection of ringtones for the alarm, then press OK [SAVE]. The event will now be saved in the calendar.

VIEW APPOINTMENT

To view items/appointments/agendas, etc. in your calendar:

1. Press OK [MENU], 6 mno **Tools**, 2 abc **Calendar**.
2. Move the Navigation Key up or down to choose a date then press OK [LIST].
3. Press OK [VIEW].

ALARM CLOCK

1. To display alarm entries, press OK [MENU], 6 mno **Tools**, 3 def **Alarm Clock**.

2. To set a new alarm entry, press the Navigation Key up or down to choose alarm 1, 2 or 3. Press OK [OK].

3. The setting field will be highlighted. Press the Navigation Key down to select alarm options.

ALARM
Press the Navigation Key right or left to select alarm On/Off.

TIME
Use the keypad to set a time for the alarm and press the Navigation Key up or down to select "am" or "pm".

FREQUENCY
Press the Navigation Key right or left to select a setting for the alarm (Once, Everyday, Work day).

RINGER
Press OK [SET], then press the Navigation Key right or left to select the alert tone you wish to set.

4. To save an alarm setting, press OK [SAVE].

MY NUMBER
Displays your phone number.

1. Press OK [MENU], 7 pqrs **Phone Info**, 1 @ **My Number**.

2. You will see the MDN/MIN.

3. To return to the previous page, press OK [OK].

SW VERSION

Displays the (Software/HW/PRL/ERI) version.

1. Press OK [MENU], 7 pqrs **Phone Info**, 2 abc **SW Version**.
2. The software versions appear.
3. To return to the previous page, press OK [OK].

ICON GLOSSARY

Displays the Indicator Icons of your phone.

1. Press OK [MENU], 7 pqrs **Phone Info**, 3 def **Icon Glossary**.
2. A list of the Indicator Icons of your phone with a short label or description appears.
3. To return to the previous page, press OK [OK].

WHEN A NEW MESSAGE ARRIVES

1. A display appears when a new message arrives.
2. To display the message, press OK [VIEW NOW].

VOICE MAIL

Displays the number of voice mails and accesses them by pressing SEND.

1. To access your voice mail, press OK [MENU], 8 tuv **Messaging**, 5 jkl **Voicemail**. Or in idle mode, Left Soft Key [MESSAGE], 5 jkl **Voicemail**.

FIRST TIME USER

1. Dial *86 and press SEND.
2. At the recording, press #.
3. Follow the voice tutorial to set up your account.

EXISTING USER

1. Dial *86 and press SEND.
2. At the recording, enter your password, then press #.
3. To listen to new messages, press 1.

NEW TXT MSG

To send a new TXT message:

1. Press OK [MENU], 8 tuv **Messaging**, 1 **New TXT Msg**. Or in idle mode, press Left Soft Key [MESSAGE], 1 **New TXT Msg**.
2. Under "To", input the phone number and press Navigation Key down.

- By pressing Right Soft Key [ADD] in the "To" field, you can choose from the following:
  1. **From Contacts:** Search for a phone number stored in the Contacts list.
  2. **Recent Calls:** Search for a phone number stored in the recent calls list.
  3. **Groups:** Search the groups stored in the contacts list.

4. **Number To Contacts:** To store the phone number in contacts.

3. Input a new text message. (Please refer to page 34 for more details on entering letters, numbers and symbols.)

- By pressing Right Soft Key [OPTIONS], you can choose from the following:
  1. **Save as Draft:** To save message in draft folder.
  2. **Quick Text:** Inserts already written sentences in Text Msg.
  3. **Priority:** To select "High" or "Normal".
  4. **Cancel Msg:** To cancel message.

4. To send the text message, press OK [SEND].

NOTE Input at least one text msg field to save in the draft box.

INBOX

The Inbox manages received Text messages.
To access:

VIEW A MESSAGE

1. Press OK [MENU], 8 tuv **Messaging**, 2 abc **Inbox**. Or in idle mode, press Left Soft Key [MESSAGE], 2 abc **Inbox**.
2. Select a message and press OK [OPEN]. The message is displayed.

REPLY TO A MESSAGE

1. To reply to the text message, press OK [REPLY].

ERASE

1. To erase a received message, press Left Soft Key [ERASE].

By pressing Right Soft Key [OPTIONS], the user can choose from the following:

FORWARD

To forward the Text message:

1. Press Right Soft Key [OPTIONS].
2. Press 1 **Forward**.

3. Input the phone number of the person you are sending the message to, then press Navigation Key down.
4. Input any Text message to go along with the forwarded message, then press OK [SEND].

REPLY W. COPY

To reply to a received message and include the received message into the message:

1. Press Right Soft Key [OPTIONS].
2. Press 2 abc **Reply w.Copy**.
3. Enter your message.
4. To send the text message, press OK [SEND].

SAVE QUICK TEXT

To save received text msg to "Quick Text", select "Save to Quick Text"

1. Press Right Soft Key [OPTIONS].
2. Press 3 def **Save Quick Text**.

LOCK & UNLOCK

Select "Lock" to lock the message, or "Unlock" to unlock the message.

1. Press Right Soft Key [OPTIONS].
2. Press 4 ghi **Lock & Unlock**.

NOTE The "Lock" function is used to prevent received messages from being erased. Once a message is locked, you cannot delete the message with the Erase or Erase All button. Unlock the message first to delete it.

ADD TO CONTACTS

To save number to contacts:

1. Press Right Soft Key [OPTIONS].
2. Press 5 jkl **Add to Contacts**.
3. Press OK [MARK].
4. Press Left Soft Key [DONE].
5. Select 1 @ **Create New** or 2 abc **Update Existing**.
6. Use the Navigation Key to select Mobile 1, Home, Work, Mobile 2, or Fax, then press OK .
7. Insert the Name of the Contact.
8. Press OK [SAVE].

MESSAGE INFO

To show received text message information:

1. Press Right Soft Key [OPTIONS].
2. Press 6 mno **Message Info**.

SENT

Manages sent TEXT messages or messages waiting to be sent.

1. Press OK [MENU], 8 tuv **Messaging**, 3 def **Sent**. Or in idle mode, press Left Soft Key [MESSAGE], 3 def **Sent**.
2. Select a message and press OK [OPEN]. The message is displayed.
3. To erase a message, press Left Soft Key [ERASE].
4. By pressing Right Soft Key [OPTIONS], the user can choose from the following:

FORWARD

To forward the Text message:

1. Press Right Soft Key [OPTIONS].
2. Press 1 @ **Forward**.
3. Input the phone number of the person you are sending the message to, then press the Navigation Key down.
4. Input any Text message to go along with the forwarded message, then press OK [SEND].

ERASE

To erase all the messages:

1. Press Right Soft Key [OPTIONS].
2. Press 3 def **Erase**.
3. Select "Yes", press OK [OK].

LOCK & UNLOCK

Select "Lock" to lock the message or "Unlock" to unlock the message.

1. Press Right Soft Key [OPTIONS].
2. Press 4 ghi **Lock & Unlock**.

NOTE

The "Lock" function is used to prevent received messages from being erased. Once a message is locked, you cannot delete the message with the Erase or Erase All button. Unlock the message first to delete it.

ADD TO CONTACTS

To save number to contacts:

1. Press Right Soft Key [OPTIONS].
2. Press 5 jkl **Add to Contacts**.
3. Press OK OK [MARK].
4. Press Left Soft Key [DONE].
5. Select 1 @ **Create New** or 2 abc **Update Existing**.

6. Use the Navigation Key to select Mobile 1, Home, Work, Mobile 2, or Fax, then press OK .
7. Insert the Name of the Contact.
8. Press OK [SAVE]

MESSAGE INFO

To show received text message information:

1. Press Right Soft Key [OPTIONS].
2. Press 6 mno **Message Info**.

■ DRAFTS

Draft Folder contains any draft messages or saved messages. If message composition is interrupted by a voice call or other interrupting event, the text of the current composition is automatically saved in the drafts folder.

1. Press OK [MENU], 8 tuv **Messaging**, 4 ghi **Drafts**. Or in idle mode, press Left Soft Key [MESSAGE], 4 ghi **Drafts**.
2. Press OK to read message.
   Press Left Soft Key [ERASE].
   Press Right Soft Key [OPTIONS].

By pressing Right Soft Key [OPTIONS], the user can choose from the following:

SEND

To send a selected message:

1. Press Right Soft Key [OPTIONS].
2. Press 1 @ **Send**.

LOCK & UNLOCK

Select "Lock" to lock the message or "Unlock" to unlock the message.

1. Press Right Soft Key [OPTIONS].
2. Press 2 abc **Lock & Unlock**.

NOTE The "Lock" function is used to prevent received messages from being erased. Once a message is locked, you cannot delete the message with the Erase or Erase All button. Unlock the message first to delete it.

ADD TO CONTACTS

To save number to contacts:

1. Press Right Soft Key [OPTIONS].
2. Press 3 def **Add to Contacts**.

ERASE DRAFTS

To erase all draft messages:

1. Press Right Soft Key [OPTIONS].
2. Press 4 ghi **Erase Drafts**.
3. Select "Yes" and then press OK [OK].

ERASE ALL MESSAGES

To erase all messages:

1. Press OK [MENU], 8 tuv **Messaging**, Right Soft Key [OPTIONS]. Or in idle mode, press Left Soft Key [MESSAGE], Right Soft Key [OPTIONS].
2. Select one of the following options by pressing the Navigation Key up or down.
   - **Erase Inbox / Erase Sent / Erase Drafts / Erase All**
3. Select "Yes", then press OK [OK] to erase it.

■ SETTINGS

Manages messaging features.

AUTO SAVE

Automatically saves sent messages when new messages are sent.

1. Press OK [MENU], 8 tuv **Messaging**, Left Soft Key [SETTINGS], 1 **Auto Save**. Or in idle mode, press Left Soft Key [MESSAGE], Left Soft Key [SETTINGS], 1 **Auto Save**.

2. Select either "On", "Off" or "Prompt" by pressing the Navigation Key up or down.

   - **On:** All sent messages saved in the Sent box.
   - **Off:** All sent messages not saved in the Sent box.
   - **Prompt:** "Yes", "No" dialogue box displayed after sent message.

3. Press OK [OK] to save it.

AUTO ERASE

Automatically erases inbox/sent messages when new messages arrive.

1. Press OK [MENU], 8 tuv **Messaging**, Left Soft Key [SETTINGS], 2 abc **Auto Erase**. Or in idle mode, press Left Soft Key [MESSAGE], Left Soft Key [SETTINGS], 2 abc **Auto Erase**.

2. Select either "On" or "Off" by pressing the Navigation Key up or down.

   - **On:** Oldest message erased from inbox automatically when Inbox is full.
   - **Off:** Oldest message not erased from inbox automatically when Inbox is full.

3. Press OK [OK] to save it.

QUICK TEXT

To edit Quick Text:

1. Press OK [MENU], 8 tuv **Messaging**, Left Soft Key [SETTINGS], 3 def **Quick Text**. Or in idle mode, press Left Soft Key [MESSAGE], Left Soft Key [SETTINGS], 3 def **Quick Text**.
2. Quick Text list displays.
3. To edit a "Quick Text," select the text by pressing the Navigation Key up or down, then press OK [OK].
   Press the Right Soft Key [EDIT].
   Edit the message, then press OK [OK].

ADDING QUICK TEXT

1. To add a new Quick Text message, press Right Soft Key [NEW]. Enter text, then press OK [OK] to save.

ERASING QUICK TEXT

1. To erase the saved Quick Text message, press Left Soft Key [ERASE]. "Erase Quick Text?" will be displayed. Select 1 @ [YES] to erase it.

Pre-defined Quick Text Messages include:

1. What's up?
2. Let's meet
3. Check this out!
4. Whacha doing?
5. Thanks
6. What do you think?
7. You've gotta be here to enjoy this.
8. Would you like to join me for a date tonight?
9. On My Way
10. Yes
11. You're the best!
12. Call Me.

VOICEMAIL

1. Press OK [MENU], 8 tuv **Messaging**, Left Soft Key [SETTINGS], 4 ghi **Voicemail**. Or in idle mode, press Left Soft Key [MESSAGE], Left Soft Key [SETTINGS], 4 ghi **Voicemail**.
2. Input a new voicemail number or edit voicemail number. (Default *86)
3. Press OK [OK] save it.

ENTRY MODE

Sets an Entry Mode as a default. For example, if Word Mode is the default, its icon will appear.

1. Press OK [MENU], 8 tuv **Messaging**, Left Soft Key [SETTINGS], 5 jkl **Entry Mode**. Or in idle mode, press Left Soft Key [MESSAGE], Left Soft Key [SETTINGS], 5 jkl **Entry Mode**.
2. Select one of the following options by pressing the Navigation Key up or down.
   - **T9Word / Abc / ABC / abc / 123 / Symbols**
3. Press OK [OK].

CALLBACK

Edits a default callback number so that the recipient can callback or reply.

1. Press OK [MENU], 8 tuv **Messaging**, Left Soft Key [SETTINGS], 6 mno **Callback #**. Or in idle mode, press Left Soft Key [MESSAGE], Left Soft Key [SETTINGS], 6 mno **Callback #**.
2. Select "On" or "Off."

3. Press OK [OK].

SIGNATURE

Create a signature that can automatically be inserted at the end of a message.

1. Press OK [MENU], 8 tuv **Messaging**, Left Soft Key [SETTINGS], 7 pqrs **Signature**. Or in idle mode, press Left Soft Key [MESSAGE], Left Soft Key [SETTINGS], 7 pqrs **Signature**.
2. Select "Custom" or "None."
3. If you select "Custom," you enter the Signature Edit window.
4. Press OK [OK] save it.

AUTO VIEW

If the "Auto View" is set to on, the user will be able to view the message without entering the Inbox. If the "Auto View" is set to off, the user can view the message by entering SMS Menu -> Inbox.

1. Press OK [MENU], 8 tuv **Messaging**, Left Soft Key [SETTINGS], 8 tuv **Auto View**. Or in idle mode, press Left Soft Key [Message], Left Soft Key [SETTINGS], 8 tuv **Auto View**.

2. Select "On" or "Off."

   - **On:** Text message displayed automatically.
   - **Off:** Text message displayed by going to the Inbox or responding to interactive notification.

3. Press OK [OK] save it.

■ EMERGENCY CONTACTS

You can set up to 3 Emergency Numbers that can be called even in Lock Mode.

1. Press OK [MENU], 9 wxyz **Emergency Contacts**.

2. To set a new Emergency Number, choose Emergency Contact 1, 2 or 3. Press OK [ADD].

3. The contact list appears. Press the Navigation Key right, left, up or down to select a contact and then press OK [OK].

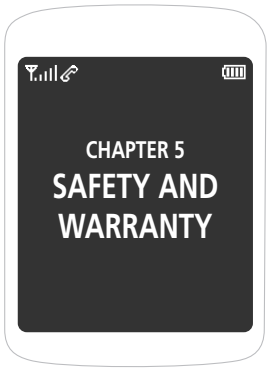
4. To erase assigned number, press Right Soft Key [REMOVE].

5. To call assigned number, press Left Soft Key [CALL].

6. To view assigned number, press OK [VIEW].

7. To edit an existing Emergency Contact, select the entry, then press OK [EDIT]. Press OK [SAVE] to save it.

MEMO



This chapter addresses the safety guidelines and precautions to follow when operating your phone. Before operating your phone, please be aware of all the safety details. This chapter contains the terms and conditions of services and the warranty for your phone. Please review them thoroughly.

SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES

SAFETY INFORMATION FOR FCC RF EXPOSURE

SAR INFORMATION

FCC HEARING-AID COMPATIBILITY (HAC) REGULATIONS FOR WIRELESS DEVICES

FDA CONSUMER UPDATE

PROTECT YOUR WARRANTY

AVOID POTENTIAL HEARING LOSS.

12 MONTH LIMITED WARRANTY

Read This Information Before Using Your Handheld Portable Cellular Telephone

EXPOSURE TO RADIO FREQUENCY SIGNALS

Your wireless handheld portable telephone is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals.

In August 1996, the Federal Communications Commissions (FCC) adopted RF exposure guidelines with safety levels for handheld wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies:

ANSI C95.1 (1992) *
NCRP Report 86 (1986) *
ICNIRP (1996) *

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C951).

The design of your phone complies with the FCC guidelines (and those standards).

1* : American National Standards Institute.
2* : National Council on Radiation protection and measurements.
3* : International Commission on Nonionizing Radiation Protection.

ANTENNA SAFETY

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damage the phone, or result in violation of FCC regulations. Please contact your local dealer for replacement antenna.

Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for replacement antenna.

DRIVING SAFETY

Talking on the phone while driving is extremely dangerous and is illegal in some states. Remember, safety comes first. Check the laws and regulations on the use of phones in the areas where you drive. Always obey them.

Also, if using your phone while driving, please:

- Give full attention to driving. Driving safely is your first responsibility.
- Use hands-free operation, if available.
- Pull off the road and park before making or answering a call, if driving conditions so require.

If you must use the phone while driving, please use one-touch, speed dialing, and auto answer modes. An airbag inflates with great force.

Do not place objects, including both installed or portable wireless equipment, in the area over the airbag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

NOTE **WARNING:** Failure to follow these instructions may lead to serious personal injury and possible property damage.

ELECTRONIC DEVICES

Your wireless handheld portable telephone is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals.

Most modern electronic equipment is shielded from RF energy. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone. Therefore, use of your phone must be restricted in certain situations.

PACEMAKERS

The Health Industry Manufacturers Association recommends that a minimum separation of six (6") inches be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research. Persons with pacemakers :

- Always keep the phone more than six inches from your pacemaker when the phone is turned on.
- Do not carry the phone in a breast pocket.
- Use the ear opposite the pacemaker to minimize the potential for interference.
- If you have any reason to suspect that interference is taking place, turn your phone OFF immediately.

HEARING AIDS

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your service provider (or call the customer service line to discuss alternatives).

OTHER MEDICAL DEVICES

If you use any other personal medical device, consult the manufacturer of your device to determine if they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

Turn your phone OFF in healthcare facilities when any regulations posted in these areas instruct you to do so. Hospitals or healthcare facilities may be using equipment that could be sensitive to external RF energy.

VEHICLES

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

POSTED FACILITIES

Turn your phone OFF where posted notices so require.

OTHER SAFETY GUIDELINES

AIRCRAFT

FCC regulations prohibit using your phone while in the air. Turn your phone OFF before boarding an aircraft. Always request and obtain prior consent and approval of an authorized airline representative before using your phone aboard an aircraft. Always follow the instructions of the airline representative whenever using your phone aboard an aircraft, to prevent any possible interference with airborne electronic equipment.

BLASTING AREAS

To avoid interfering with blasting operations, turn your phone OFF when in a "blasting area" or in areas posted: "Turn off two-way radio." Obey all signs and instructions.

POTENTIALLY EXPLOSIVE ATMOSPHERES

Turn your phone OFF when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include fueling areas such as gas stations; below deck on boats; fuel or chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas where the air contains chemicals or particles, such as grain, dust, or metal powders; and any other area where you would normally be advised to turn off your vehicle's engine.

PRECAUTIONS

Your Handheld Portable Telephone is a high quality piece of equipment. Before operating, read all instructions and cautionary markings on (1) AC Adaptor (2) Battery and (3) Product Using Battery.

Failure to follow the directions below could result in serious bodily injury and/or property damage due to battery liquid leakage, fire or rupture.

- DO NOT use this equipment in an extreme environment where high temperature or high humidity exists.
- DO NOT abuse the equipment. Avoid striking, shaking or shocking. When not using, lay down the unit to avoid possible damage due to instability.
- DO NOT expose this equipment to rain or spilled beverages.
- DO NOT use unauthorized accessories.
- DO NOT disassemble the phone or its accessories. If service or repair is required, return unit to an authorized UTStarcom cellular service center. If unit is disassembled, the risk of electric shock or fire may result.
- DO NOT short-circuit the battery terminals with metal items etc.

NOTE

WARNING

- This product contains a chemical known to the State of California to cause cancer.
- This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

WARNING! READ THIS INFORMATION BEFORE USING

CAUTIONS

In August 1996 the Federal Communications Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human exposure to radio frequency electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of this phone complies with the FCC guidelines and these international standards.

BODY-WORN OPERATION

This device was tested for typical body-worn operations with the back of the phone kept 2.0 cm. from the body. To maintain compliance with FCC RF exposure requirements, use only belt-clips, holsters or similar accessories that maintain a 2.0 cm. separation distance between the user's body and the back of the phone, including the antenna. The use of belt-clips, holsters and similar accessories should not contain metallic components in its assembly.

The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

NOTE For more information about RF exposure, please visit the FCC website at www.fcc.gov.

THIS MODEL PHONE MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. * Tests for SAR are conducted with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value.

This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone when tested for use at the ear is 1.3 W/Kg and when worn on the body, as described in this user guide, is 0.6W/Kg. (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure.

The SAR testing for Body-worn operation was performed with a belt clip that provided a 20mm separation. The User's Manual indicates that any holsters/clips used with this device should contain no metallic components.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/ oet/fccid after searching on PP4TX-215.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) web-site at http://www.wow-com.com.

* In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a sub-stantial margin of safety to give additional protection for the public and to account for any variations in measurements.

FCC HEARING-AID COMPATIBILITY (HAC) REGULATIONS FOR WIRELESS DEVICES

On July 10, 2003, the U.S. Federal Communications Commission (FCC) Report and Order in WT Docket 01-309 modified the exception of wireless phones under the Hearing Aid Compatibility Act of 1988 (HAC Act) to require digital wireless phones be compatible with hearing-aids. The intent of the HAC Act is to ensure reasonable access to telecommunications services for persons with hearing disabilities.

While some wireless phones are used near some hearing devices (hearing aids and cochlear implants), users may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and phones also vary in the amount of interference they generate.

The wireless telephone industry has developed a rating system for wireless phones, to assist hearing device users find phones that may be compatible with their hearing devices. Not all phones have been rated. Phones that are rated have the rating on their box or a label located on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated phone successfully. Trying out the phone with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Phones rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than phones that are not labeled. M4 is the better/higher of the two ratings.

Hearing devices may also be rated. Your hearing device manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise. The hearing aid and wireless phone rating values are then added together. A sum of 5 is considered acceptable for normal use. A sum of 6 is considered for best use.

In the above example, if a hearing aid meets the M2 level rating and the wireless phone meets the M3 level rating, the sum of the two values equal M5. This should provide the hearing aid user with "normal usage" while using their hearing aid with the particular wireless phone. "Normal usage" in this context is defined as a signal quality that is acceptable for normal operation.

The M mark is intended to be synonymous with the U mark. The T mark is intended to be synonymous with the UT mark. The M and T marks are recommended by the Alliance for Telecommunications Industries Solutions (ATIS). The U and UT marks are referenced in Section 20.19 of the FCC Rules. The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

For information about hearing aids and digital wireless phone

- Fcc Hearing Aid Compatibility and Volume Control http://www.fcc.gov/cgb/dro/hearing.html
- Gallaudet University, RERC http://tap.gallaudet.edu/DigWireless.KS/DigWireless.htm
- Self Help for Hard of Hearing People Inc. [SHHH] www.hearingloss.org/hat/TipsWirelessPhones.htm
- The Hearing Aid Compatibility FCC Order http://hraunfoss.fcc.gov/edocs_public/attachmatch/ FCC-03-168A1.pdf

U.S. Food and Drug Administration - Center for Devices and Radiological Health Consumer Update on Wireless Phones

1. Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radiofrequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

2. What is FDA's role concerning the safety of wireless phones?

Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radiofrequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

- Support needed research into possible biological effects of RF of the type emitted by wireless phones;
- Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function;

and

- Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.

FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Federal Communications Commission
- Occupational Safety and Health Administration
- National Telecommunications and Information Administration

The National Institutes of Health participates in some inter-agency working group activities, as well. FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones. Base stations are thus not the subject of the safety questions discussed in this document.

3. What kinds of phones are the subject of this update?

The term "wireless phone" refers here to handheld wireless phones with built-in antennas, often called "cell," "mobile," or "PCS" phones. These types of wireless phones can expose the user to measurable radiofrequency energy (RF) because of the short distance between the phone and the user's head. These RF exposures are limited by Federal Communications Commission safety guidelines that were developed with the advice of FDA and other federal health and safety agencies. When the phone is located at greater distances from the user, the exposure to RF is drastically lower because a person's RF exposure decreases rapidly with increasing distance from the source. The so-called "cordless phones," which have a base unit connected to the telephone wiring in a house, typically operate at far lower power levels, and thus produce RF exposures far below the FCC safety limits.

4. What are the results of the research done already?

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods.

Animal experiments investigating the effects of radiofrequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer-causing chemicals so as to be predisposed to develop cancer in the absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know with certainty what the results of such studies mean for human health. Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neu-roma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phone RF exposures. However, none of the studies can answer questions about long-term exposures,

since the average period of phone use in these studies was around three years.

5. What research is needed to decide whether RF exposure from wireless phones poses a health risk?

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but 10 or more years' follow-up may be needed to provide answers about some health effects, such as cancer. This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do -may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

6. What is FDA doing to find out more about the possible health effects of wireless phone RF?

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radiofrequency energy (RF). FDA has been a leading participant in the World Health Organization International Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues. FDA and the Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts to independent investigators.

The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

7. How can I find out how much radiofrequency energy exposure I can get by using my wireless phone?

All phones sold in the United States must comply with Federal Communications Commission (FCC) guidelines that limit radiofrequency energy (RF) exposures. FCC established these guidelines in consultation with FDA and the other federal health and safety agencies. The FCC limit for RF exposure from wireless telephones is set at a Specific Absorption Rate (SAR) of 1.6 watts per kilogram (1.6 W/kg). The FCC limit is consistent with the safety standards developed by the Institute of Electrical and Electronic Engineering (IEEE) and the National Council on Radiation Protection and Measurement. The exposure limit takes into consideration the body's ability to remove heat from the tissues that absorb energy from the wireless phone and is set well below levels known to have effects. Manufacturers of wireless phones must report the RF exposure level for each model of phone to the FCC.

The FCC website (http://www.fcc.gov/oet/rfsafety) gives directions for locating the FCC identification number on your phone so you can find your phone's RF exposure level in the online listing.

8. What has FDA done to measure the radiofrequency energy coming from wireless phones ?

The Institute of Electrical and Electronic Engineers (IEEE) is developing a technical standard for measuring the radiofrequency energy (RF) exposure from wireless phones and other wireless handsets with the participation and leadership of FDA scientists and engineers. The standard, "Recommended Practice for Determining the Spatial-Peak Specific Absorption Rate (SAR) in the Human Body Due to Wireless Communications Devices: Experimental Techniques," sets forth the first consistent test methodology for measuring the rate at which RF is deposited in the heads of wireless phone users. The test method uses a tissue-simulating model of the human head. Standardized SAR test methodology is expected to greatly improve the consistency of measurements made at different laboratories on the same phone. SAR is the measurement of the amount of energy absorbed in tissue, either by the whole body or a small part of the body.

It is measured in watts/kg (or milliwatts/g) of matter. This measurement is used to determine whether a wireless phone complies with safety guidelines.

9. What steps can I take to reduce my exposure to radiofrequency energy from my wireless phone?

If there is a risk from these products—and at this point we do not know that there is—it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radiofrequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

- If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna.

Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

10. What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radiofrequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure. Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

11. What about wireless phone interference with medical equipment?

Radiofrequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI. FDA has tested hearing aids for interference from handheld wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that that no interference occurs when a person uses a "compatible" phone and a "compatible" hearing aid at the same time. This standard was approved by the IEEE in 2000.

FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, FDA will conduct testing to assess the interference and work to resolve the problem.

12. Where can I find additional information?

For additional information, please refer to the following resources:

- FDA web page on wireless phones (http://www.fda.gov/cdrh/phones/index.html)
- Federal Communications Commission (FCC) RF Safety Program (http://www.fcc.gov/oet/rfsafety)
- International Commission on Non-Ionizing Radiation Protection (http://www.icnirp.de)
- World Health Organization (WHO) International EMF Project (http://www.who.int/emf)
- National Radiological Protection Board (UK) (http://www.nrpb.org.uk/)

Read your Warranty carefully, with the special consideration to paragraph seven of the Limited Warranty for your unit.

> "Warranty does not apply to... or to any product or part thereof which has suffered through alteration... mishandling, misuse, neglect or accident".

Many companies are making look alike accessories and in some cases, promoting that their product is equal to or better than the UTStarcom product. Be careful. Some of these products may not be compatible to use with your UTStarcom product and may damage the unit or cause it to malfunction. If service is required on your unit and it is determined that a non-UTStarcom accessory has created the problem with your unit, the Warranty will not apply. In addition, if the unit has already suffered irreversible damage by reason of a non-compatible accessory, the Warranty will be voided. To protect your Warranty, use only compatible accessories which cannot damage or interfere with the functioning of your UTStarcom product.

IN USA: UTStarcom Personal Communications
555 Wireless Blvd.
Hauppauge, NY 11788
(800) 229-1235

IN CANADA: UTStarcom Canada Company
5535 Eglinton Avenue West
Suite# 234
Toronto, ON M9C 5K5
(800)465-9672.

Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cellular telephones, at high volume settings for long durations may lead to permanent noise-induced hearing loss. This includes the use of headphones (including headsets, earbuds and Bluetooth® or other wireless devices). Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound and distorted hearing. Individual susceptibility to noise-induced hearing loss and other potential hearing problems varies.

The amount of sound produced by a portable audio device varies depending on the nature of the sound, the device, the device settings and the headphones. You should follow some commonsense recommendations when using any portable audio device:

- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.
- When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.

- Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise.
- Limit the amount of time you listen. As the volume increases, less time is required before your hearing could be affected.
- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

You can obtain additional information on this subject from the following sources:

American Academy of Audiology

11730 Plaza American Drive, Suite 300
Reston, VA 20190
Voice: (800) 222-2336
Email: info@audiology.org
Internet: www.audiology.org

National Institute on Deafness and Other Communication Disorders
National Institutes of Health
31 Center Drive, MSC 2320
Bethesda, MD USA 20892-2320
Voice: (301) 496-7243
Email: nidcdinfo@nih.gov
Internet: http://www.nidcd.nih.gov/health/hearing

National Institute for Occupational Safety and Health

Hubert H. Humphrey Bldg.
200 Independence Ave., SW
Washington, DC 20201
Voice: 1-800-35-NIOSH (1-800-356-4674)
Internet: http://www.cdc.gov/niosh/topics/noise/default.html

UTStarcom Personal Communications (the Company) warrants to the original retail purchaser of this UTStarcom handheld portable cellular telephone, that should this product or any part thereof during normal consumer usage and conditions, be proven defective in material or workmanship that results in product failure within the first twelve (12) month period from the date of purchase, such defect(s) will be repaired or replaced (with new or rebuilt parts) at the Company's option, without charge for parts or labor directly related to the defect(s).

The antenna, keypad, display, rechargeable battery and battery charger, if included, are similarly warranted for twelve (12) months from date of purchase.

This Warranty extends only to consumers who purchase the product in the United States or Canada and it is not transferable or assignable.

This Warranty does not apply to:

(a) Product subjected to abnormal use or conditions, accident, mishandling, neglect, unauthorized alteration, misuse, improper installation or repair or improper storage;

(b) Product whose mechanical serial number or electronic serial number has been removed, altered or defaced.

(c) Damage from exposure to moisture, humidity, excessive temperatures or extreme environmental conditions;

(d) Damage resulting from connection to, or use of any accessory or other product not approved or authorized by the Company;

(e) Defects in appearance, cosmetic, decorative or structural items such as framing and non-operative parts;

(f) Product damaged from external causes such as fire, flooding, dirt, sand, weather conditions, battery leakage, blown fuse, theft or improper usage of any electrical source.

The Company disclaims liability for removal or reinstallation of the product, for geographic coverage, for inadequate signal reception by the antenna or for communications range or operation of the cellular system as a whole.

When sending your wireless device to UTStarcom Personal Communications for repair or service, please note that any personal data or software stored on the device may be inadvertently erased or altered. Therefore, we strongly recommend you make a back up copy of all data and software contained on your device before submitting it for repair or service. This includes all contact lists, downloads (i.e. third-party software applications, ringtones, games and graphics) and any other data added to your device.

In addition, if your wireless device utilizes a SIM or Multimedia card, please remove the card before submitting the device and store for later use when your device is returned, UTStarcom Personal Communications is not responsible for and does not guarantee restoration of any third-party software, personal information or memory data contained in, stored on, or integrated with any wireless device, whether under warranty or not, returned to UTStarcom Personal Communications for repair or service.

ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. ANY ACTION FOR BREACH OF ANY WARRANTY MUST BE BROUGHT WITHIN A PERIOD OF 18 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR AN SPECIAL CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WHATSOEVER. THE COMPANY SHALL NOT BE LIABLE FOR THE DELAY IN RENDERING SERVICE UNDER THIS WARRANTY OR LOSS OF USE DURING THE TIME THE PRODUCT IS BEING REPAIRED OR REPLACED.

No person or representative is authorized to assume for the Company any liability other than expressed herein in connection with the sale of this product.

Some states or provinces do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage so the above limitation or exclusions may not apply to you. This Warranty gives you specific legal rights, and you may also have other rights, which vary from state to state or province to province.

12 MONTH LIMITED WARRANTY

IN USA:

UTStarcom Personal Communications
555 Wireless Blvd.
Hauppauge, NY 11788
(800) 229-1235

IN CANADA:

UTStarcom Canada Company
5535 Eglinton Avenue West
Suite# 234
Toronto, ON M9C 5K5
(800)465-9672.

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